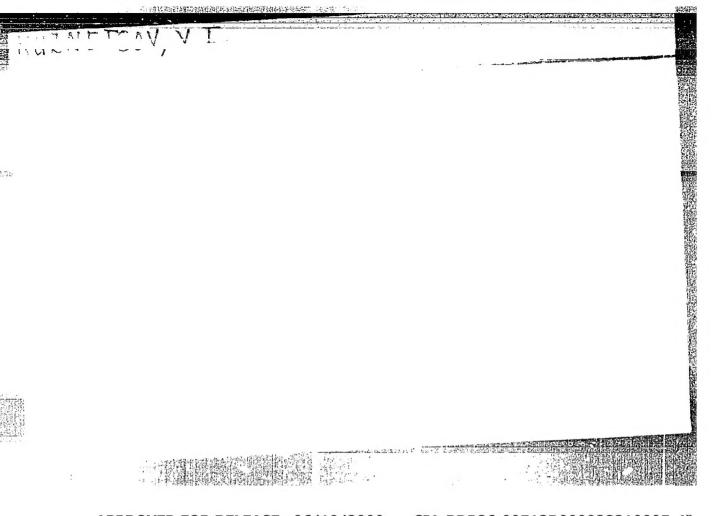
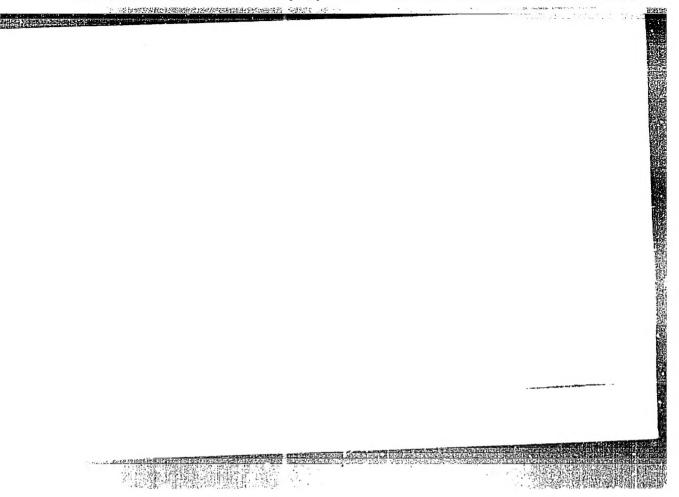
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- Francisco de Commentante de Maria

Wurnersoy, y.1.; Blednykh, A.G.; Dobrovol'skiy, A.F.; Gensina, Ye.D.

Use of products of primary tar from Ukrainian brown coals for disinfection. Zhur.mikrobiol.epid. i immun., supplement for 1956;36-37 (MIRA 11:3)

157

(COAL-TAR PRODUCTS) (DISINFECTION AND DISINFECTANTS)

KUZNETSOV, V.I.

AUTHORS: Fadeicheva A.G. and Kuznetsov V.I.

73-2-20/22

TITLE: Complex utilisation of lignites of the Ukrainian RSS.

XVII:Phenols of primary lignite tars of the Ukrainian RSS.

(Kompleksnoye ispol'zovannye burykh ugley USSR.

XVII:Fenoly pervichnoy smoly burykh ugley USSR).

PERIODICAL: "Ukrainskiy Khimicheskiy Zhurnal" (Ukrainian Journal of Chemistry), Vol.23, No.2, March-April, 1957, pp.266-271 (USSR).

ABSTRACT: Tars obtained by semi-coking of bituminous lignites of the Ukraine contain up to 9 to 10% phenols. Hitherto no data have been available on the composition of phenols obtained by the low-carbonisation of tars. To obtain these data phenols were prepared from fractions of lignite tar, i.e. from petroleum, petroleum naphtha and paraffin oils. The fractions were treated with a 10% H₂SO₄ solution and a 5% solution of calcium bicarbonate to extract the carboxylic acids. Phenols were extracted from the fractions with a 13% solution of sodium hydroxide at 18 to 20 C. The obtained phenolates were purified and decomposed with a 20% H₂SO₄ solution. The extracted tar is soluble in acetone, ethyl alcohol and insoluble in benzene,

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- 连续增强

Complex utilisation of lignites of the Ukrainian RSS. XVII: Phenols of primary lignite tars of the Ukrainian RSS. (Cont.)

petroleum and petroleum ether. The most valuable components were shown to occur in the first three fractions and represent 7.2% of the weight of the tar. The lower phenol content is 3.8% (Table 1). The content of sulphurcontaining compounds in the phenols increases with increasing boiling point of the fractions. The crude phenols separated from the individual fractions contained solid phenols (or so called acid asphaltenes), which are insoluble in petroleum ether. Phenols of the paraffin contain 50% solid phenols. The latter are completely soluble in ether, benzene, alcohol and aqueous alkalis. The crude phenols were rectified at 20 mm HG pressure. The phenols of the benzene and ligroine fractions consist mainly of phenol and cresols. The kerosene and paraffin fractions contained a considerable quantity of xylenol and high-boiling phenols (Tables 2, 3, 5 and 6). Liquid phenols of the paraffin fraction contain mostly high-boiling phenols which are difficult to distil. Fractions of phenols

73-2-20/22

Complex utilisation of lignites of the Ukrainian RSS.

XVII: Phenols of primary lignite tars of the Ukrainian RSS.

(Cont.)

boiling between 204-226 C were separated into 3 fractions. Data tabulated in Table 4 show that the xylenol fractions contained considerable quantities of cresols (1, 3, 5-xylenol and 1, 4, 2-xylenol).

There are 6 tables and 5 references, 2 of which are Slavic.

ASSOCIATION: Institute of Thermal Power, Academy of Sciences, USSR (Institut Teploenergetiki AN USSR).

SUBMITTED: July 30, 1956'.

AVAILABLE: Library of Congress

Card 3/3

1299142

AUTHOR: Kuznetsov, V. I., and Fadeicheva, A. G.

XUZIVETSOV V. 1

TITIE: Complex Utilisation of Ukrainian Lignites, XVIII. The Purification of Primary Tar Phenols of Ukrainian Lignites from Neutral Oils and Sulphur Compounds. (Kompleksnoye Ispol'zovaniye Burykh Ugley USSR. XVIII. K Voprosu Ochistki Fenolov Pervichnoy Smoly Burykh Ugley USSR ot Neytral'nykh Masel i Sernistykh Soyedineniy)

PERIODICAL: Ukrainskiy Khimicheskiy Zhurnal, 1957, Vol. 23, No.3, pp. 406-410 (USSR)

ABSTRACT: The purification of phenols, obtained from tars by thermal decomposition, is very important for industry. They have to be purified from neutral oils and sulphur compounds. A method for separating these oils by using superheated steam gave satisfactory results and can be recommended for industrial purposes. It makes it possible to obtain phenols with 2.4 - 4.8% neutral oils which give suitable materials for plastics. The phenolates were prepared by treating separate fractions of primary tar with a 13% NaOH solution. These phenolates contain varying amounts of neutral oils, e.g. fractions boiling at 120 - 315°C contain 12.1% neutral oils, this content increases to 22.4% for fractions boiling at 360°C. The temperature of the superheated steam was 250°C as higher temperatues cause oxidation of the phenols. This

73-3-22/24 Complex Utilisation of Ukrainian Lignites. XVIII. The Purification of Primary Tar Phenols of Ukrainian Lignites from Neutral Oils and Sulphur Compounds.

> method makes it possible to lower the content of neutral oils from 21% to 2.8%. Satisfactory results were obtained at a steam temperature of 200°C. The residual neutral oils constituted under these conditions 4.9% at a 100% steam consumption and 3.8% at a 150% steam consumption. A 84.2 - 88.1% efficiency of separation is reached; when 200% steam is used the efficiency increases to 90.7%. When superheated steam of 200°C is used a further decrease of neutral oils ensues and the efficiency of purification reaches 90.6, 91.3 and 92.6% at a corresponding steam consumption of 100, 150 and 200%. Iaboratory data were confirmed with pilot plant experiments when mixtures of phenolates obtained during alkaline treatment of benzene-, ligroine- and kerosine-fractions and of paraffinic oils. Results of these experiments (Table 1) confirm the previously obtained data. The neutral oil content can be reduced considerably by extracting the phenols from very narrow fractions. The phenolates absorb to a large extent acidic and neutral oxygen-containing compounds and unsaturated hydrocarbons. Sulphur compounds of phenols can be separated during the rectification

Card 2/3 of phenols by addition of a small quantity

73-3-22/24

Complex Utilisation of Ukrainian Lignices. XVIII. The Purification of Primary Tar Phenols of Ukrainian Lignites from Neutral Oils and Sulphur Compounds.

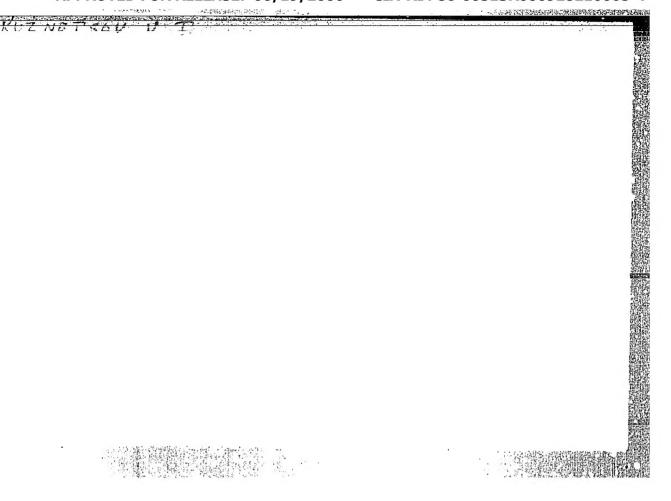
of air or by treating the phenols with reduced bog ore at 200 - 250°C. Figure 1 shows graphs of a standard distillation of a neutral oil and of a dephenolised fraction, the distribution of sulphur in tar fractions in phenols, separated from these fractions is shown in figure 2. The sulphur content in phenols was decreased to 0.25% (from 0.78%), i.e. a 70% efficiency was attained. There are 2 figures and 1 Slavic reference.

SUBMITTED: July, 30, 1956.

ASSOCIATION: Institute of Thermal Power, Academy of Sciences, Ukrainian SSRs (Institut Teploonorgetiki AN USSR)

AVAITABLE: Library of Congress.

Card 3/3



. "我们在他,我们就是我们的人,我们就是我们的一个,我们就是我们的一个。"

Kuenz Isid, U. I.

11(7)

PHASE I BOOK EXPLOITATION

807/2794

Akademiya nauk Ukrainskoy SSR. Institut teploenergetiki

- Izucheniye i kompleksnaya pererabotka smol i bitumov burykh ugley Dneprovskogo basseyna, ch. 2 (Study of Tars and Bitumens of Pnepr Basin Brown Coal and Their Comprehensive Conversion, Pt. 2) Kiyev, 1958. 127 p. 1,000 copies printed.
- Resp. Ed.: N. M. Karavayev, Professor, Corresponding Member, USSR Academy of Sciences; Ed. of Publishing House: T. K. Remennik; Tech. Ed.: I. D. Milekhin.
- PURPOSE: This collection of articles is intended for scientific workers in fuel research institutes as well as for technical and engineering personnel studying problems of comprehensive utilization of solid fuels.
- COVERAGE: This collection of articles on the utilization of coal for chemical products is the result of investigations made by the Institute of Thermal Power Engineering of the Academy of Science of the Ukrainian SSR. The process of converting tar and carbobitumens produced through the thermal decomposition of Dneper basin brown coal is analyzed. The importance of the utilization of gases and products of thermal conversion of solid fuel for the growing

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Study of Tars and Bitumens	. BUV	/2794
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	of Paraffinic and Naphthenic Hydrocarbon raction Produced by Semi-coking of Brown	Coel or
Tar Fraction Produced h	of Aromatic Hydrocarbons of the Intermed by Semi-coking of Brown Coal	iate
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Study of Tars and Bitumens (Cont.)

AVAILABLE: Library of Congress (TP953.A35)

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KUZNETSOV, Y.L., KIGEL!, T.B.

Using Pyzhevskii bentonites for purifying lignite paraffins. Bent. gliny Ukr. no.2:189-194 '58. (MIRA 12:12)

1. Institut teploenergetiki AN USSR. (Paraffins) (Bentonite)

BOBROVA, Anfisa Alekseyevne; KUZNETSOV, V.I., kand.khim.nauk, otv. red.; CHEKHOVICH, N.Ya., red.izd-va; MOZURIK, T.Ya., tekhn.red.

[Bituminous tar from Aleksandriyskiy brown coal] Smola bitumu z oleksandriis'koho buroho vugillia. Kyiv. Vyd-vo Akad.nauk URSR, 1959. 66 p. (MIRA 13:2) (Dnieper Basin--Coal tar)

"APPROVED FOR RELEASE: 06/19/2000

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Sowehthaniye po inital, tekhnologii i primeneniyu proitvolayaza piridine i knimoline. Nige. 1957 i Britani, tekhnologii i primeneniyu proitvolayaza knimoline. Nige. 1957 i Britani, tehnologiya i primeneniye proitvolnyan piridine i Minoline meterialy sovenhuaniya (Chenistry, Technology and Unliketkan of Paridine and Quinoline perivstives; Materials of the Conference) Nige, Edd-vo Al Estriyakoy printed. 259 p. Errata silp inserted. 1,000 copiss	Special Special Andealys hank fatelysmy SSR, Institut whiself; Thesopurnoys khimicheskoys obacchestor. Mar. S. Barhanova; Twch. Ed.: A. Klyavinys; Kittorial Board: To. A. Bancovatiny, Carlidate of Chemistry, E. Y. Vange, Carlidate of Chemistry (Resp. Z.;), L. P. Zalukayev, Doctor of Chemistry, and M. M. Kainyn', L. P. Zalukayev, MIROME: Ints book is intended for organic chemists and chemical engineers. Intended for organic chemists and chemistry or producing 31 arriess on methods of synthesizing or producing pyritine, quiroline, and the feet derivatives from natural courses. No personalities are entitoed. Figures, tables, and references accompany		Protove, L. A., and Q. Ye. Vener [Enerteur mine] Middell name Devinessy MR [Chemical Institute of the Aradray of Sanate Latvipatay ASM], Pyritine Bases From Suppose 1: 2 a. 1. 2. 41.50.71 MR 10.00.00 Mr. [Mister of the Sanates Days), Pethos of Desemination Assa in Peroleman Name San (Projeta Institute of Assa in Petholeman Name San (Projeta Institute of Assa in Petholeman Name San (Projeta Institute of Assa in Petholeman Name Name Name Name Assa in Petholeman Name Name Name Name Assa in Petholeman Name Name Name Name Name Name Name Name	Bushovetty Te. A. A. P. Dovin'sh and Y. T. Doznakery Chemical Institute of the Academy of Milmoon Latriyshaya SMI) & Mercaptegerimaline (Thiodaine) as an Analytical Beagent
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KUZNETSOV. V.I., kand. khim. nauk

Trends in the use of Dmisper Basin coals for industrial purposes. Kompl. wyk. pal.—energ. res. Ukr. no.1:175-180 [159.]

1. Institut teploenergetiki AN UkrSSR.
(Dnieper Basin—Coal)

KUZNETSOV, V.I., kand. khim. nauk; BOBROVA, A.O.

Production of lignite wax in the Ukraine. Kompl. vyk. pal.-energ. res. Ukr. no.1:230-242 '59. (MIRA 16:7)

1. Institut teploenergetiki AN UkrSSR. (Coal-tar products)

GOLOVANOV, Mikolay Grigor yevich; KUZNETSOV, V.I., kand.khim.nsuk, otv.red.; TUBOLEVA, M.V., red.

[Solid fuel as a chemical raw material] Iverdoe toplivo kak khimicheskoe syr's. Kiev, 1961. 41 p. (Obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii Ukreins'koi SSR. Ser.6, no.2)

(MIRA 14:5)

(Fuel)

(Chemical industries)

Effect of various factors on the deresimation process of lignite wax by the method of crystallization. Zbir.prats' Inst.tepl.AN URSR no.23:71-79 '61. (MIRA 15:2) (Lignite) (Waxes)

SHVETS, I.T., akademik, ctv. red.; DAL', V.I., doktor tekhn. nank, red.; SHCHEGOLEV, G.M., kand. tekhn. nauk, zam. otv. red.; OSTROVSKIY, S.B., red.; LAVROV, P.I., kand. tekhn. nauk, red.; LANDSMAN, S.U., kand. tekhn. nauk, red.; KUZHETSOV, V.I., kand. khim. nauk, red.; SUSHON, S.P., inzh., red. DAKHNO, Yu.B., tekhn. red.

[Complete utilization of Ukrainian solid fuels]Kompleksnoe izpol'zovanie tvordykh topliv Ukrainy. Kiev, Izd-vo AN USSR, 1962. 287 p. (MIRA 15:11)

1. Akademiya nauk UKSR, Kiev. Rada po vyvchemiu produktyvnykh syl URSR. 2. 2. Akademiya nauk Ukr.SSR (for Shvets).
3. Nachal'nik otdela toplivnoy promyshlemnosti Gosudarstvennogo planovogo komiteta Soveta Ministrov Ukr. SSR (for Ostrovskiy). 4. Institut teploenergetiki Akademii nauk Ukr.SSR (for Shchegolev, Sushon).

(Ukraine-Fuel)

BOBROVA, A.A. [Bobrova, A.O]; KUZNETSOV, V.I.

Dynamics of the process of wax crystallization. Zbir. prats' Inst. telp. AN URSR no.25:51-55 '62.

Use of toluol and its mixtures for bitumen extractions from brown coals. Zbir. prats' Inst. tepl. AN URSR no.25:56-61 '62. (MIRA 17:1)

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CIA-RDP86-00513R000928210005-4

ACC NR: AP6032533

SOURCE CODE: UR/0413/66/000/017/0133/0133

INVENTOR: Kushnerev, D. M.; Svetsinskiy, V. G.; Kir'yakov, V. M.; Kuznetsov, V. I.; Polikarpov, B. S.

ORG: none

TITLE: Ceramic flux for submerged are welding of high-atrength steels. Class 49, No. 185676 [announced by the Electric Welding Institute im. Ye. O. Paton, AN UkrSSR (Institut elektrosvarki AN UkrSSR)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 17, 1966, 133

TOPIC TAGS: automatic welding, high strength steel welding, ARC WELDING, CPRAINIC MATERIAL
ABSTRACT: This Author Certificate introduces a ceramic flux for submerged arc

ABSTRACT: This Author Certificate introduces a ceramic flux for submerged welding of high-strength steels containing calcium fluoride, rutile concentrate, welding of high-strength steels containing calcium fluoride, rutile concentrate, welding of high-strength steels containing calcium fluoride, rutile concentrate, of welded ferrotitanium, and ferromanganese. To improve the mechanical properties of welded joints and the technological properties of the flux, 5—J2% quartz sand, 3—6% manganese metal, 1% aluminum powder, and 18—24% sodium disilicate are added to the flux composition. The rest of the components are taken in the following proportion: 10—18% fluorspar, 30—40% rutile concentrate, 0—2% ferrotitanium and 3—5% ferro manganese.

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UDC: 621.791.048

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PHASE I BOOK EXPLOITATION

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Kuznetsov, Vladimir Ivanovich

Razvitiye issledovaniy polimerizatsii nepredel'nykh soyedineniy v 866R (Development of Studies in Polymerization of Unsaturated Compounds in the USSR) Moscow, AN SSSR, 1959. 274 p. Errata slip inserted. 3,000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut istorii yestestvoznaniya i tekhniki.

Resp. Ed.: A.Ye. Arbuzov, Academician; Ed. of Publishing House: L.S. Povarov; Tech. Ed.: G.A. Astaf'yeva.

PURPOSE: This book is intended for persons interested in obtaining information on the role of A.Ye. Favorskiy in the development of theories pertaining to the field of organic chemistry and in the investigation of polymerization and isomerization phenomena.

Card 1/6

Development of Studies (Cont.)

80V/3522

COVERAGE: The book, published on the 100th anniversary of the birth of A.Ye. Favorskiy, briefly outlines the development of theories of organic chemistry and emphasizes the importance of the work of the latter in developing the studies of A.M. Butlerov in the field of polymerization and isomerization. The author analyzes correlation of atoms, isomeric conversion, problems of chemical affinity, and describes the investigations of S.V. Lebedev, which led to the development of rubber synthesis and synthetic rubber production. The reaction of ketone with acetylene compounds and its application in the synthesis with various polymers is analyzed. The author also reviews the polymerization mechanism, ionic polymerization, telomerization, and the polycondensation theory. Each chapter is accompanied by references, the majority of which are Soviet.

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KUZNETSOV, V.I.

Contradictions in the evaluation of V.Ostval'd's role in the history of catalysis. Vop.ist.est.i tekh. no.10:79-85 *60. (MIRA 14:3) (Catalysis)

KUZNETSOY, Y. I.

Principal stages in the development of organic catalysis in the U.S.S.R. Vop.ist.est.i tekh. no.9:51=61 '60. (MIRA 13:7) (Catalysis)

KUZNETSOV, Vladimir Ivanovich; ARBUZOV, A.Ye., akademik, ouv. red.; PO-VAROV, L.S., red. izd-va; GUSEVA, A.P., tekhn. red.; MAKOGONOVA, I.A., tekhn. red.

[Origin and development of the chemistry of alicyclic compounds]
Vozniknovenie khimii alitsiklicheskikh soedinenii. Moskva, Izd-vo
Akad. nauk SSSR, 1961. 185 p. (MIRA 14:11)

(Alicyclic compounds)

KUZNETSOV, V.I.

Some conclusions from the history of the dual reactivity theory. Vop. ist. est. i tekh. no.13:19-25 62. (MIRA 16:5)

(Chemical reaction—Conditions and laws)

KUZNETSOV, V.I.

Views of Liebig, Gess, and Khodnev on catalysis. Trudy Inst.ist. est.i tekh. 39:95-103 '62. (MIRA 16:2) (Catalysis)

KUZNETSOV, V.I.; VATULYAN, K.S.

Syntheses of first alicyclic compounds. Trudy Inst.ist.est.1 tekh. 39:212-221 62. (MIRA 16:2) (Gyelic compounds)

KUZNETSOV, V.I.; MAR'YEVA, N.N.

Organic coprecipitants. Part 18: Coprecipitation of germanium with the tannates of basic dyes. 1zv. SO AN SSSR no.11 Ser.khim. nauk no.3:50-55 163. (MIRA 17:3)

1. Khimiko-metallurgicheskiy institut Sibirskogo otdeleniya AN SSSR, Novosibirsk.

KUZNETSOV, Vladimir Ivanovich; EYDUS, Ya.T., doktor khim. nauk, otv. red.; FEDOROVICH, R.M., red.

[Development of the science of catalysis] Razvitie ucheniia o katalize. Moskva, Nauka, 1964. 422 p.

(MIRA 17:9)

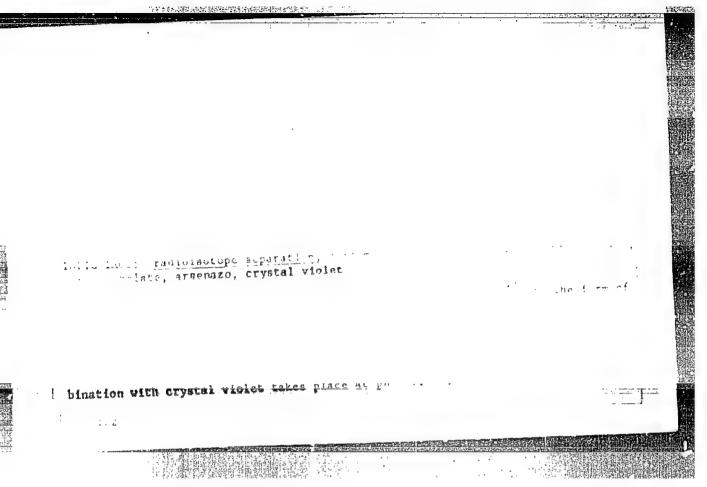
KUZNETSOV, Vladimir Ivanovich; ARBUZOV, A.Ye., akademik, otv. red.;
KATRENKO, D.A., red.

[Advances in the field of catalytic organic synthesis]
Razvitie kataliticheskogo organicheskogo sinteza. Moskva, Nauka, 1964. 433 p. (MIRA 17:12)

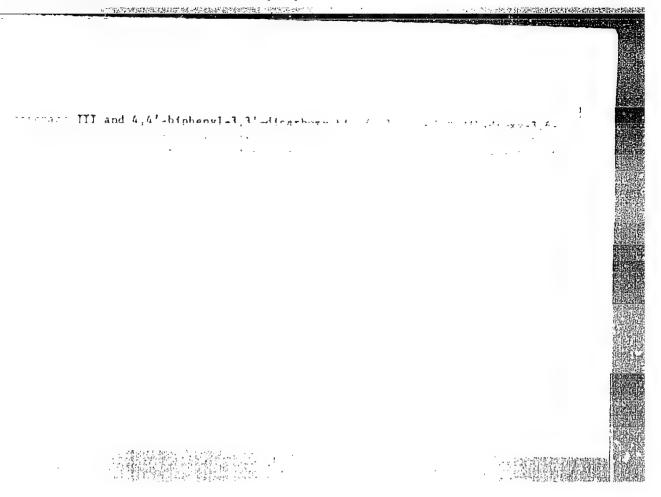
KUZNETSOV, V.I., doktor khimich.nauk

Contemporary methods of identification of organic compounds. Zhur. VKHO 9 no. 2:177-186 '64. (MIRA 17:9)

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. 05498-67 EWT(m) CCC NR. AP7000462	SOURCE CODE:	UR/0367/66/004/001	/0099/0101
KUZNETSOV, V. I.; SKOBEL	EV, N. K.; FLEROV, G. N.	- 19	
"Observation of a Sponta Nuclear Reactions V ²³³ +	neously Fissionable Isome Bil and U233 + Blue	er with Th = 2.6 min	n in the
Moscow, Yadernaya Fizika	; July, 1966; pp 99-101	•	30
able product with Fy. = 2 this product in the reac cross section was found that the Am nucleus or t undergoes a spontaneous formed on the internal b Nuclear Research. The	r reactions $U^{***} + B^{**}$ and $U^{**} \pm 0.2$ min was observed. tion $U^{***} + B^{**}$ was invest to be of the order $2 \cdot 10^{-1}$ hat of another lighter effission with $T_2^{l} = 2.6$ min eam of the U-300 cyclotroauthors thank K_a A. Gavriangets, E_a V. Shehitov for	The excitation furtigated. The maximusem. The conclustement with mass number of the Joint Institute and coworkers of	nction of um production ion was drawn mber A < 236 were per- titute for of his group
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KUZNETSOV, V. 1., CAND BIO SCI, THE IMPORTANCE OF ABOMASUM INTEROCEPTORS AND THE SMALL INTESTINE SECTION IN THE
DEVELOPMENT OF ALLERGIC REACTION IN SHEEP. SARATOV, 1961.

(SARATOV ORDER OF LABOR RED BANNER STATE UNIV IN N. G. CHERNYSHEVSKIY). (KL, 2-61, 204).

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CIA-RDP86-00513R000928210005-4

_L 26629=66 EWT(1)/EWP(m)/EWA(d)/EWA(h) ST/OW ACC NR: AP6013926 SOURCE CODE: UR/0207/66/000/002/0090/0096 (A) Kuznetsov, V. I. (Moscow); Lyakhov, G. H. (Moscow) B ORG: none TITLE: Experimental investigation of the interaction between shock waves and barriers in the soil SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 2, 1966, 90-96 TOPIC TAGS: compression shock wave, shock wave analysis, wave mechanics, alack wave ABSTRACT: Data are given from experiments on the interaction between a plane shock wave and a moving barrier in the ground. An approximate solution is given for the problem of this interaction considering the soil to be nonlinearly elastic at high pressures and plastic at low pressures. This type of model is applicable to shock waves in soils with and without water saturation. Experiments are conducted to determine the curve for the dynamic compressibility of the soil and it is shown that this curve conforms to the equation of state for water-saturated soil considered as a three-component ideal liquid at pressures greater than 15-20-10⁵ N/m². The expressions for the load on the barrier gave results which agreed satisfactorily with direct experimental measurements. The authors are grateful to S. D. Mizyakin for taking part in the experiments. Orig. art. has: 7 figures, 23 formulas. OTH REF: 000 SUBM DATE: 16Aug65/ ORIG REF: 007/ SUB CODE: Card 1/1 /

"APPROVED FOR RELEASE: 06/19/2000

Card 1/2

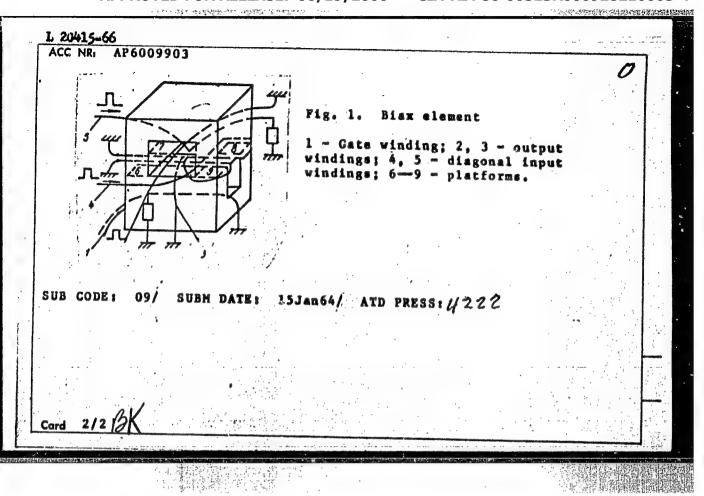
CIA-RDP86-00513R000928210005-4

L 26753-66 EWI(1)/EWP(m)/EWA(d)/EWA(h)ACC NR: AP6013927 SOURCE CODE: UR/0207/66/000/002/0096/0099 AUTHOR: Kuznetsov, V. I. (Moscow); Lyakhov, G. M. (Moscow) ORG: none TITLE: Interaction between a wall and waves from a one-dimensional ges detonation with long and negligibly short periods of ignition induction SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 2, 1966, 96-99 TOPIC TAGS: gas detonation, detonation wave, wave mechanics, shock wave reflection ABSTRACT: The authors consider collision between an absolutely rigid wall and a plane shock front propagating in a reactive medium. It is assumed that the reflection is a detonation wave propagating in an explosive gas mixture treated as an ideal gas which is compressed by the precussion but has not yet reacted. This case is possible when the period of the ignition induction in the incident wave is much longer than that in the reflected detonation wave. A theoretical formula is derived for the ratio between the velocities of the reflected and incident waves, assuming that there is no chemical reaction in the gas for a definite period of time during propagation of the incident wave. A second limiting case is considered where it is assumed that the entire region of the compressed gas in the detonation wave is completely filled with detonation products immediately after incidence of the wave front against the wall.

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66 EWI(d)/EWP(1) AP6009903 IJP(c) ACC NR SOURCE CODE: UR/0413/66/000/004/0104/0104 Kuznetsov, V. I.; Ofitserov, G. M. AUTHOR: 13 ORG: none TITLE: Biax magnetic logical element SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 4, 1966, 104 TOPIC TAGS: logic element, computer circuit, computer storage, magnetic core storage, biax ABSTRACT: The proposed biax magnetic logical element (see figure) carries two input windings, output windings, and a gate winding. To perform INHIBIT and EXCLUSIVE OR operations, the input windings are placed in both windows of the biax - in the same direction in one window and in opposite directions in the other. Orig. art. has: 1 figure. [DW] Card 1/2 UDC:



KUZNETSOV, V.I. (Irkutak)

Apply new higher standards in the maintenance and repair of cars. Zhel. dor. transp. 47 no. 11:40-45 N '65 (MIRA 19:1)

1. Nachal'nik sluzhby vagomogo khozyaystva Vostochno-Sibirskoy dorogi.

KORENBERG, E.I., KOVALEVSKIY, Yu.V., KUZNETSOV, V.I.

Large-scale map drawing of the distribution of tetraonid birds. Ornitologiia no.71371-379 165.

(MIRA 18:10)

VASILTYEV, A.M., red.; KUZNETSOV, V.I., red.; PETRURICHEV, V.N., red.;

[Computer and information techniques] Vychislitel'naia i informatsionnaia tekhnika; sbornik materialov. Moskva, Vses. in-t nauchnoi i tekhn. informatsii AN SSSR, 1962. 220 p. (MIRA 17:7)

1. Konferentsiya po obrabotke informatsii, mashinnomu perevodu i avtomaticheskomu chteniyu teksta. Moskva, 1961.

ACCESSION NR: AR3004181

3/0271/63/000/005/BO42/BO42

SOURCE: RZh. Avtomatika, telemekhanika i vy*chisl. tekhnika, Abs. 5B211

AUTHOR: Kurbakov, K. I., Kusnetsov, V. I.

TITLE: Industrial magnetic (ferrite) elements

CITED SOURCE: Sb. Vy*chisl. 1 inform. tekhnika. M., 1962, 91-112

TOPIC TAGS: ferrite element, logical element, computer element

TRANSLATION: The authors investigate the three-cycle logical elements "P", "M-12", "G", "I", "R", "Z", and "T" from ferrites and semiconductor diodes used in digital computers and automation devices. The elements are constructed of ferrite K-272 cores $4 \times 2.5 \times 1.2$ mm. An exception to this is the "G" type which in addition to the K-272 core also has one of oxifer \mathcal{M} -1000. The coupling circuit contains inexpensive miniature (d = 7.2 mm) selenium diodes. The reliability of the cores decreases with an increase in temperature. Consequently, each element contains a working and a compensating core. Elements are either simple or complex. A simple or amplifying magnetic element is made

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ACCESSION NR: AR3004181

of magnetic cores having rectangular hysteresis loops and semiconductor diodes whose power supply consists of current pulses (feed pulses). A complex or logical magnetic element is a device similar to the simple element but it is able to perform logical operations according to the signals applied to its input. The presence of a signal at the element's output depends on the logic of its circuit. Simple elements are distinguished by their load capacity and their purpose, while complex elements differ according to the operation they perform. "P" and "M-12" elements store and amplify signals. The storage time is determined by the time between the leading edge of the cycle pulse of the first channel and the trailing edge of the pulse in the third channel. The output pulse from the "M-12" can magnetize up to 12 "P" elements. The "G" element generates a continuous sequence of units mutually delayed by 1 period of the source of feed pulses. The flow of units stops when the power supply is switched off. All complex elements have blocking windings. The blocking occurs in the second channel. The "I" element is used for the logical "AND-AND" coincidence operation, element "R" performs the nonequality operation, "Z" does the blocking, while the element "T" works on the principle of dynamic triggering. The load capability of "G", "I", "R", "Z", and "T" is such that each of them when operating from a preceding element under maximum

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ACCESSION NR: AR3004181

load can operate three elements connected in parallel to their output. The guaranteed period of continuous operation of each element is 6 months, and normal operation proceeds between +10 and +60°C and a relative humidity up to 85 ± 2%. The elements have good vibration resistance; they are mounted on plastic boards. Their weight is 10 g and they consume no more than 0.15-0.2 w. The universal digital computer LEM-1, the automatic control of the sheet pattern layouts of the rolling mill "Stal'-1", the automatic control of the railway locomotive operation "Avtomashinist", a specialized digital computer, and the universal digital computer LEM-1-24 were all designed using the abovementioned elements. The article also presents power supply requirements. There are 21 figures, 4 tables, and 7 references. V. S.

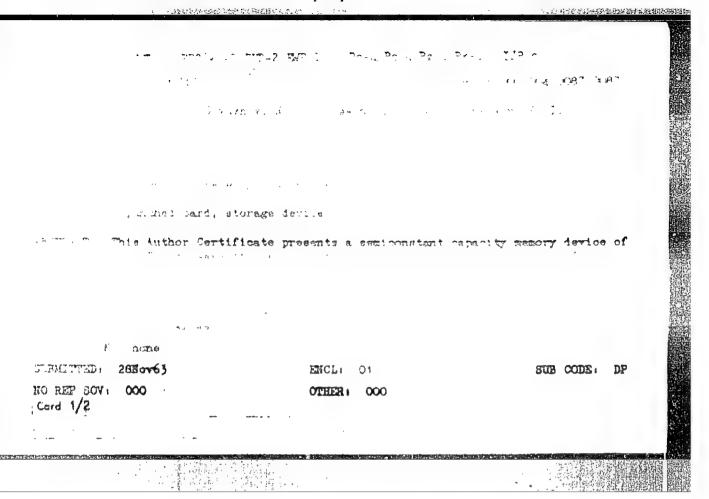
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SUB CODE: CP, SD

ENCL: 00

Card 3/3

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928210005-4



ACC NR: AP7008933

SOURCE CODE: UR/0367/66/004/003/0465/0467

AUTHOR: Kuznetsov, V. I.; Lobanov, Yu. V.; Perelygin, V. P.
ORG: Joint Institute for Nuclear Research (Ob"yedinennyy institut yadernykh issledovaniy)

TITLE: Half-life of isotope of element 102 with mass number 256 SOURCE: Yadernaya fizika, v. 4, no. 3, 1966, 465-467

TOPIC TAGS: ion acceleration, cyclotron, radioisotope, alpha decay SUB CODE: 20.18

ABSTRACT: In 1963, an isotope of the 102nd element of mass number 256 (Eonets, Ye. D., Shchegolev, V. A., Yermakov, V. A., Atomnaya Energiya (Atomic Energy), 16, 195, 1964) was synthesized in the reaction $U^{238} + Ne^{22}$. Its identification was made with the help of physical and chemical methods according to the characteristics of the daughter nucleus Fm^{252} . However, the measurement accuracy of the half-life of the 102^{250} nucleus was no more than 404.

Experiments were performed in 1963 for studying the spontaneous fission of the nuclei formed in the U238 + Ne22 reaction (Druin, V. A., Skobelev, N. K., Fefilov, B. V., Flerov, G. N., Preprint P-1580, OIYaI, 1964). The half-life Ti = 10± seconds measured in this paper coincided, within the limits of error, with that obtained for isotope 102250 in the paper of the first paragraph above. The yield of this spontaneously fissioning nucleus corresponded to the maximum cross section 3·10-34 cm². From the character of the excitation function, it may be concluded that the reaction in this case is U238(Ne²²,4n)102250. The

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ACC NR. AP7008933

absence of the effect in the controlled irradiation of the U^{238} target by Ne^{20} and O^{16} ions has permitted it to be finally established that the 102^{256} nucleus undergoes its spontaneous fission in a 10-second period. From the relationship of the alpha decay and the spontaneous fission of this nucleus, the period of the spontaneous fission was found to be $T_f \approx 1500$ sec.

The experiments described in the present paper were undertaken with a view to measuring more accurately the half-life of the isotope of the 102nd element with mass number 256. The experiments were conducted with the internal beam of a U-300 OIYaI cyclotron. A schematic diagram of the equipment was given in a previous paper (Lobanov, Yu. V., Kuznotsov, V. I., Polikanov, S. N., Oganesyan, Yu. Ts., Flerov, G. N.; Ya F. 1, 67, 1965). The beam of accelerated of the equipment from the cyclotron vacuum chamber, and fell on the target of the equipment from the cyclotron vacuum chamber, and fell on the target turned by the active layer on the ion collector side. The nucleus formed as the result of the interaction between the accelerated ions and the target broke away from the target under the impact of the incident particle and fell on the collector, a continuous nickel strip 8 m long and 25 mm wide. In the experiments, the film moved at a velocity of 6-10 cm/sec. This provided optimum

conditions for measuring a half-life on the order of 16 seconds. For cooling the target, the ion collector, and the nucleus collector the inner space of the equipment was filled with helium under a pressure of 40 mm of mercury.

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ACC NR: AT7008933

In our experiments, we used a U238 and Pu²⁴² target about 600 μ_Z/cm^2 on a thin aluminum substrate; the bombarding particles were accelerated Ne²² and ol8 ions. The intensity of the ion beam was 6-8 μ a.

Special phosphorescent glasses and lavsan film, insensitive to small charged particles, were used as detectors of the fission fragments (Kapustsik, A., Perelygin, V. P., Tret'yakova, S. P., PTE, 5, 64, 1964; Fleischer, R. L., Price, P. B., Science, 140, 1221, 1963). The detectors were arranged along the film, practically continuously, their total length being 6 m.

In the irradiation of the U²³⁸ target by the accelerated Ne²² ions the recorded output of the spontaneously fissioned product with a half-life on the order of 10 seconds corresponded to a cross section on the order of (2-3)·10-34 cm². An especially large output of this product was recorded when Pu²⁴² was arradiated by accelerated 0¹⁸ ions.

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ACC NR: AP7008933

Experiments with plutonium targets were made with the energy of the oxygen ions ranging from 89 to 104 Kev and a film velocity of 6.6 cm/sec.

A figure shows the yield of the fission products as a function of the energy and shows that the short-lived component has a curve which agrees nicely with the 4n reaction curve. The maximum yield was recorded when the oxygen fon energy was 94 Hev, which corresponds to the partial cross section $7 \cdot 10^{-34}$ cm². For the reaction $Pu^{242}(0^{18}, p_{30})101^{256}$, a somewhat larger cross section of $9 \cdot 0^{-10^{-34}}$ was obtained for an 0^{18} ion energy of 10^{4} MeV.

Thus, in the experiments involving the irradiation of plutonium targets with accelerated 0¹⁸ ions two products of spontaneous fission with different half-lives were recorded. The short-lived component, whose excitation function corresponds to the 4n reaction, was apparently caused by the spontaneous fission of the 102nd element of mass number 256.

Another figure shows the distribution of the recorded fragments of the short-lived component in equal time intervals for one series of experiments. The half-life of the 102nd element nucleus was, according to our measurements. The 8.2 \pm 1.0 seconds. This period was chiefly the result of the alpha decay of the 102^{250} nucleus; it agrees well with previous results (see the first two papers cited above). The half-life period of \sim 3 sec predicted in the paper (Viola, V. E., Seaborg, G. T., Nuclear Systematics for Heavy Elements, N. Y., 1965) agrees satisfactorily with our data.

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Further experimentation with this nucleus should give information on its alpha decay energy as well as a more accurate value for the period of spontangous fission.

The authors are especially grateful to G. N. Flerov for the statement of the problem and his management of the work. They also thank V. A. Druin and Yu. Ts. Oganesyan for their assistance and their discussion of the results, and S. P. Tret'yakova and T. I. Rybakova for preparing the fission fragment detectors. Orig. art. has: 2 figures. [JPRS: 40,303]

ACC NR. AT6036655

Uit/0000/66/000/000/0282/0283 SOURCE CODE:

AUTHOR: Mozzhukhin, A. S.; Kuznetsov, V. I.; Kushakovskaya, M. S.; Makhalova, O.K; Goryachev, I. A.; Solntsev, S. A.; Shostak, V. I.; Kudrin, I. D.

ORG: none

TITLE: Effect of radioprotective drugs on the functional condition of the human organism (Paper presented at the Conference on Problems of Space Medicine held in Poscow from 24-27 May 1966)

SOURCE: Konferentsiya po problemam kosmichesko; meditsiny, 1966. Problemy kosmicheskoy meditsiny. (Problems of space medicine); materialy konferentsii, Moscow, 1966, 282-283

TOPIC TAGS: radiation protection, space pharmacology, cosmic radiation biologic effect, human physiology, space medicine, motion sickness

ABSTRACT:

The effect of cystamine on the functional condition of the human organism iwas studied (on the the basis of the hypothesis of A. V. Lebedinskiy). Five hundred heathy volunteers were used. The maximum permissible dose of cystamine was established as a dose of 1.2 [units not given] per single application, or 0.8 units every 6 hr for 24 hr, or 0.6-0.8 units once a day for a month. Administration of cystamine in the doses indicated did not cause any significant changes in work capacity, hematopoiesis, or in cardiovascu-

lar, respiratory, digestive, excretory, or nervous system function. However, administration of cystamine did lead to complaints of lethargy and ever, administrations in the epigastrium in 10% of the cases. After brief unpleasant sensations in the epigastrium in 10% of the cases. After administration of the drug some increase in sensitivity to motion sickness and to the effect of high temperatures was noted among subjects.

[N. A. No. 22; ATD Report 66-116]

SUB CODE: 06 / SUEM DATE: 00May66

EWT(d)/EWP(c)/EWP(k)/T/EWP(v)/EWP(1) IJP(c)
B6028529 SOURCE CODE: UR/0276/66/000/005/B007/B007 01939-67 ACC NR AR6028529 Gorbunov, V. I.; Kuznetsov, V. I.; Kuleshov, V. K.; AUTHOR: Yankelevich, Yu. B. TITLE: Spectrometric methods for flaw detection in materials SOURCE: Ref. zh. Tekhnologiya mashinostroyeniya, Abs. 5B49 REF SOURCE: Izv. Tomskogo politekhn. in-ta, v. 138, 1965, 20-30 TOPIC TAGS: spectrometry, flaw detection spectrometry, retardation spectrometry, gamma radiation spectrometry, gamma detection, bremsstrahlung ABSTRACT: The value of bremsstrahlung and gamma radiation spectrometry in practical use in flaw detection is outlined. An analysis of spectral emissions obtained back of absorbers of different thickness and density and an analysis of instrumental spectra allows a correct approach to the problem of optimal conditions for radioscopy of materials and products and thus considerably expand the control potentialities of flaw detection spectrometry. Orig. art. has: 8 figures and a bibliography of 12 reference items. L. Tsukerman. [Translation of abstract.] [AM] SUB CODE: 20, 14, 11/ UDC: 620.179.1 Card 1/1

KUZWATSOV, V. I.

Agriculture Machinery - Trade and Manufacture

"Increasing efficiency in agricultural machinery factories; collection of suggestions incorporated into production." V. I. Kuznetsov, ed. Eng. P. A. Korchagin, Sel'Khozmashina, No. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 1952, UNCL.

KUZNETSOV, V. I. (Prof)

"1949 Achievements in Soviet Science and Technology," Moscow, 1950

Digest W-17531, 30 Mar 51

DARKOV, A. V. and KUZNETSOV, V. I.

Statika Sooruzhenii (Static Calculations in Building), 531 p., Moscow, 1951.

EUZNETSOV, V.I. [New Ukrainian achievements in science and technology] Novi desiahnennia radians'koi nauky i tekhniky. Kyiv, 1951. 33 p. (MLRA 6:8) (Ukraine--Science) (Science--Ukraine) (Ukraine--Technology) (Technology---Ukraine)

KUZNETSOV, Vasilii Ivanovich.

Cushions: calculations of beams. Slabs plates, and frames Moskya, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1952. 295 F. (54-18346 Rev)

TG260.K86

Technology during the fifth five-year plan. Manka i shisn' 20 no.7:1-4
(NLMA 6:7)
J1 '51.

(Technology)

KUZNETSOV, V.I.

The Committee on Statin Prizes (of the Journal of Ministone Inch.) in the fields of prience and inventions announces that the following scientific works, popular scientific books, and textucoks have been submitted for competition for Statin Prizes for the Jenry 1997 and 1993. (Sovetskaya Kustura, Moscow, No. 30-40, 20 Feb - 3 Apr 1994)

APL

Tithe of Work

Medianted by

Kuznetsov, V.I.

"Elastic Foundation"

Moscow Evening Machine Building Institute

86; 8-30904, 7 Jay 1956

HUZ HISOV. V.I.

The Committee on Stalin Prizes (of the Council of Ministers USBR) in the rieids of Science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

Name

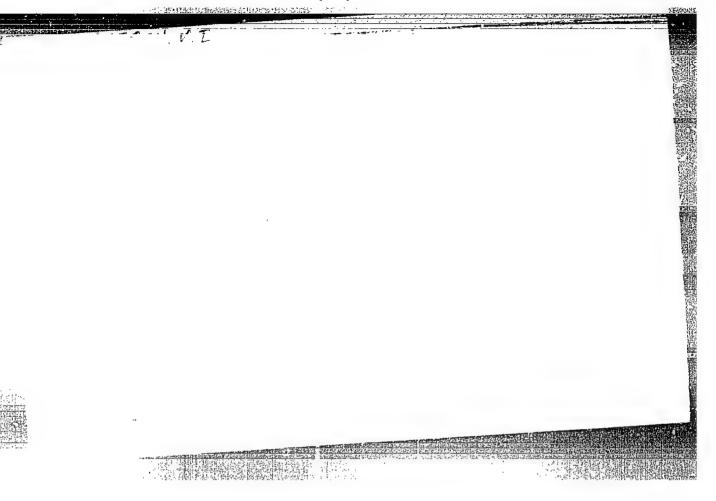
Title of Work

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All-Union Correspondence

Polytechnic Institute

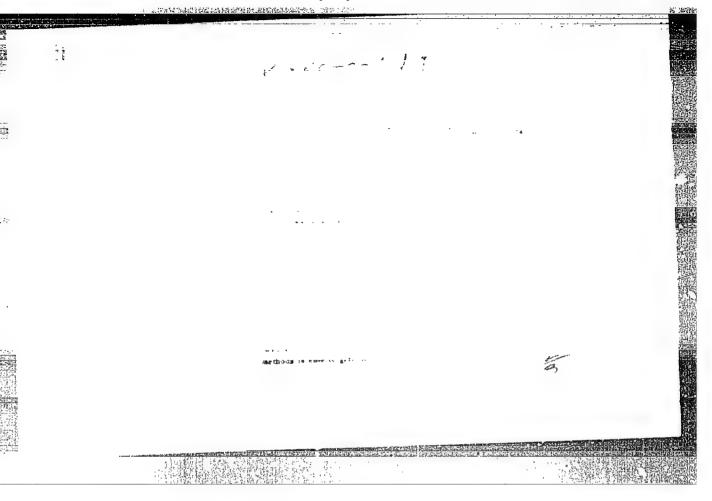
Darkov, A. V. Kuznetsov, V. I. "Statics of Structures" (textbook, 4th edition)

80: W-30604, 7 July 1954

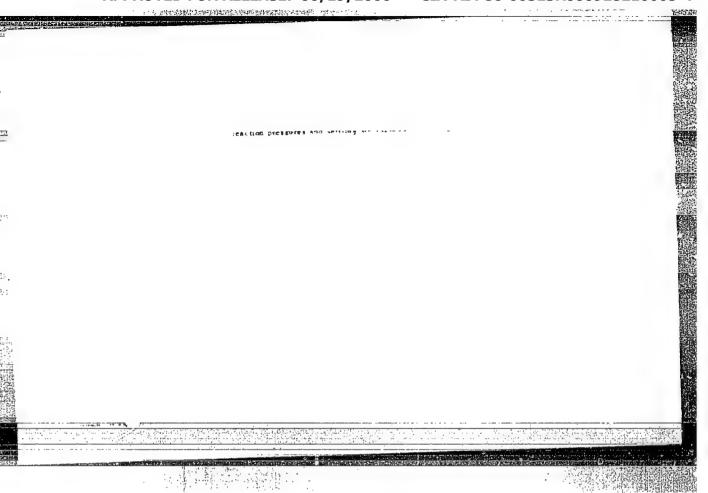


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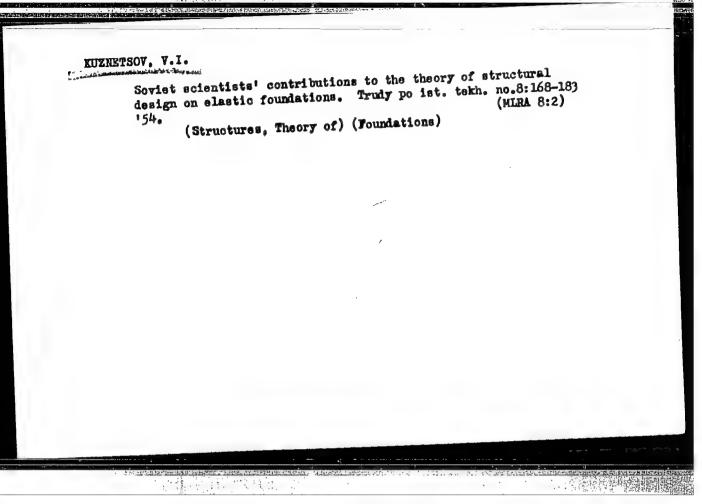
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UZHTISOV, Vasiliy Ivanovich, professor; KIPHIS, S.Te., redaktor;

[Technical progress in the U.S.S.R] Tekhnicheskii progress v
SSSP. Moskva, Isd-vo "Zaanis", 1954. 63 p. (Vassoiusnos obshchesko po resprostraneniu politicheskikh i nauchnykh
snanii, Ser. 2, no.20/21)

(Technology) (Russia--Economic conditions)



KUZNETSOV. V. I. USSR/Physics Card 1/1 : Kuznetsov, V. I., Dr. of Technical Sciences, Prof. Author Science of tenacity Title : Nauka i Zhizn' 21/2, 23-25, Fob/1954 Poriodical : The aim in machine construction is to reduce weight and retain strength. Abstract The weight per horse power of an airplane engine has gone down from 20 kiles to 0.3 kiles. The author goes into the question of elasticity and the direction of strains, the study of which enables the engineer to give such a shape to a part as will counteract them. Where theoretical calculations are not rossible experiment is resorted to. Methods of conducting such experiments are explained. Institution Cubmitted



DARKOV, Anatoliy Vladimirovich, professor, doktor tekhnicheskikh nauk; KUZNETSOV, Vasiliy Ivanovich, professor, doktor tekhnicheskikh nauk; SHPIRO, G.S., kandidat tekhnicheskikh nauk, redaktor; VERINA, G.P., tekhnicheskiy redaktor

[Structural mechanics; the statics of structures] Stroitel'naia mekhanika; statika soorushenii. Isd. 5-oe, perer. Moskva, Gos. transp. shel-dor. isd-vo, 1956. 492 p. (MIRA 9:11) (Statics) (Structures, Theory of)

KUZHETSOV U.T.

SOV/124-58-5-5909

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 5, p 137 (USSR)

Kuznetsov, V.I. AUTHOR:

Application of the Method of Initial Parameters to the Calculation of Beams on an Elastic Isotropic Foundation (Primeneniye TITLE:

metoda nachal'nykh parametrov k raschetu balok na uprugom

izotropnom osnovanii)

V sb.: Issledovaniya po teorii sooruzheniy. Nr 7, Moscow, PERIODICAL:

Gosstroyizdat, 1957, pp 167-185

The well-known method of the initial parameter is described ABSTRACT:

as applied to a design calculation of a support in the form of an elastic semispace. A beam with a planwise rectangular support (with sides equal to 2a and 2b, with a > b) is investigated under 3 different types of load. The load distribution is as follows: 1) a concentrated load applied at the center of the beam and at any arbitrary point, 2) two concentrated loads applied symmetrically relative to the center of the beam, and 3) a continuously distributed load. Numerical results are given for

the solutions of some specific problems.

1. Beams--Load distribution 2. Beams-- P.I. Klubin

Card 1/1

Mathematical analysis

DARKOV, Anatoliy Vladimirovich; KUZNETSOV, Vasiliy Ivanovich; Prinimali uchastiye: SINEL'NIKOV, V.V., doktor tekhn. nauk, prof.; KLEYN, G.K., doktor tekhn. nauk, prof.; SHPIRO, G.S., kand. tekhn. nauk; BYCHKOV, D.V., prof., retsenzent; REKACH, V.G., prof., retsenzent; BOCHAROVA, Yu.F., red. izd-va; GOROKHOVA, S.S., tekhn. red.

[Structural mechanics; statics structures] Stroitel naia mekhanika; statika sooruzhenii. Moskva, Vysshaia shkola, 1962. 742 p. (MIRA 16:5)

(Strains and stresses)

REMETSOV, V.I.; GURIN, Ya.S., red.; TIMOKHINA, V.I., red.

[Asynchronous electric motors; piece series] Asinkhronous elektro-dvigateli; edinais seriis. Modifikatsii. [Moskva, 1951] 55 p. dvigateli; edinais seriis. Modifikatsii. [Moskva, 1951] 1. Russia (1923- U.S.S.R.) Ministerstvo elektropromyshlennosti. (Electric motors, Induction)

AUTHORS:

Kuznetsov, V.I., Korkin, Yu.M.

SOV-90-58-10-2/9

TITLE:

Some Direct-Current Electric-Drive Systems for Geological-Prospecting Drills (Nekotoryyeskhemy electroprivoda postoyannogo toka geologorazvedochnykh burovykh stankov)

PERIODICAL:

Energeticheskiy byulleten', 1958, Nr 10, pp 3 - 8 (USSR)

ABSTRACT:

The authors state that there is a tendency to use directcurrent systems in branches connected with oil-drilling. They say that this tendency, and the fact that an electric drive such as a motor-generator set allows the rotor and the winch to work flexibly and steadily, has been taken into account by the design office of the plant imeni Vorovsky in their new drill type ZIV-2000E for geological prospecting-well-drilling to a depth of 2,000 meters. This is the first time that a direct current system combined with an individual drive for the rotor and winch has been used in the building of machines for geological prospecting. The drill consists of a rotor with a PN-400 electric motor 65 kw, independent excitation), a planetary winch, a 3-speed gearbox and a DK-104G traction motor of 72 km. The electric motors of the rotor and the winch are driven by a P-101 generator (100 kw, independent excitation). This

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SOV-90-58-10-2/9

Some Direct-Current Electric-Drive Systems for Geological-Prospecting Drills

generator, the sludge pump and the synchro-generator for auxiliary needs are driven by a UlD6-50 diesel of 150 hp. This system allows the power of the diesel to be more fully exploited. During hoisting operations, the entire power of the diesel is consumed by the electric motor of the winch, when boring - by the rotor, the sludge pump and the other auxiliary mechanisms. The authors then give a detailed description, illustrated by graphs and fomulae, of how to find the most efficient gear-ratio for the gear-box. However, there are certain disadvantages in the use of a gear-box alone, and so the authors suggest that it is worth while studying various electric system, of achieving a stepless, automatic changing of the speed of raising the columns of boring tubes. There is only one way of making the mechanical characteristic curve of an electric motor close to the hyperbolic; by varying the tension either on the terminals or of the motor's magnetic current. The authors discuss

Card 2/3

SOV-90-58-10-2/9 Some Direct-Current Electric-Drive Systems for Geological-Prospecting Drills

> several methods of regulating the rotation of the motor, and comes to the conclusion that the most flexible is one employing a dynamoelectric amplifier. There are 2 diagrams, three graphs and two Soviet references.

1. Geophysical prospecting-Equipment 2. Drilling machines-Design

3. Generators(DC) -- Performance

Card 3/3

PHASE I BOOK EXPLOITATION

sov/3723

Kuznetsov, Vladimir Ivanovich

- Mekhanicheskiye vakuumnyye nasosy (Mechanical Vacuum Pumps)
 Moscow, Gosenergoizdat, 1959. 279 p. 10,000 copies printed.
- Ed. (Title page): M.I. Men'shikov; Ed. (Inside book): V.I. Shamshur; Tech. Ed.: P.M. Asanov.
- PURPOSE: This book is intended for those working with mechanical vacuum pumps for industrial and laboratory uses. Certain sections of the book may be useful to engineers and scientific workers dealing with problems of obtaining medium or high vacua.
- COVERAGE: This book deals with the working principles, the operation, and the testing of mechanical oil-sealed vacuum pumps. Also described are two-rotor (mechanical-booster) vacuum pumps. A brief summary of the molecular-kinetic theory of gases is given. General concepts of vacuum technology and the laws of

Card 1/5

Mechanical Vacuum Pumps

SOV/3723

rarefied-gas flow through orifices and tubes are considered. The types of pumps discussed include mechanical pumps for medium vacuum, low-vacuum multivane pumps, high-vacuum (molecular and steam-jet) pumps, and cold traps. Some problems in the design calculation of very simple vacuum systems are also discussed. The author thanks M.I. Men'shikov, I.S. Rabinovich, M.L. Alashkevich, P.I. Gorokhov, G.F. Kleymenov, K.A. Savinskiy, L.P. Khavkin, and A.B. Tseytlin for their suggestions. There are 32 references: 19 Soviet, 7 German, and 6 English.

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EBIN, L.Ye., doktor tekhn.nauk; ZUL', N.M., kand.tekhn.nauk; LEVIN, M.S., kand.tekhn.nauk; YAKOBS, A.I., kand.tekhn.nauk; ZHULIN, M.T., kand.tekhn.nauk; IL'ICHEV, F.V., inzh.; KUZNETSOV, V.I., inzh.

Concerning A.P.Korshunov's article "Efficient design of 6 to 10 kv. rural electric power transmiss_on lines." Elek. sta. 32 no.lz: 78-83 D '61. (KIRA 15:1) (Rural electrification) (Electric power distribution) (Korshunov, A.P.)

FHASE I BOOK EXPLOITATION SOV/6270

Samarin, A. M., ed., Corresponding Member, Academy of Sciences USSR.

Vakuumnaya metallurgiya (Vacuum Metallurgy). Moscow, Metallurgizdat, 1962. 515 p. Errata slip inserted. 3200 copies printed.

Ed. of Publishing House: V. I. Ptitsyna; Tech. Ed.: L. V. Dobuzhinskaya.

PUPPOSE: This book is intended for engineering personnel of metallurgical and machine-building plants, scientific research workers and teachers, and aspirants and students at schools of higher technical education.

COVERAGE: Thermoydmanic fundamentals of vacuum application in various metallurgical processes and problems of meting in vacuum induction metallurgical processes and problems of metallurgical and steam of steel in ladies are desorbed, along with designs of metallurgical vacuum equipment. Problems connected with the use of mechanical and steam-ejector vacuum pumps, and with the

	Vacuum Metallurgy	•		•	807/6270		
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KUZNETSOV, V. I.

June Bug (Lachnosterna)

Planting pine in deep furrows as a means of protection against the June bug. Les. khoz. no. 1, Jan. 1952.

9. Monthly List of Russian Accessions, Library of Congress, Sentember 1952, Uncl.

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- 1. KUZNETSOV, V. I.
- 2. USSR (600)
- 4. West Kazakhstan Province--Lepidoptera
- 7. Problems of adjustment of lepidopters to new feeding conditions, Trudy Zool. inst., 11, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl

EUZHETSOV, V.I.; MARTIHOVA, Ye.F.

List of Lepidoptera along the central course of the Ural River.

Trudy Zool. inst. 16:321-250 '54. (MIRA 8:6)

(Ural Valley-Lepidoptera)

Feach and cranberry leaf rollers (Peronea lubricana Mn. and P.fimbriana Thnbg.) (Lepidoptera, Tortricidae) as forms of the same species. Ent.oboz. 34:124-128 '55. (MLRA 9:5) (Leaf rollers)

KUZNETSOV, V.I.

New leaf rollers (Tortricidae) and leaf miners (Lithocolletoidea) from western Kopet-Dag [with summary in German]. Ent.obox. 35 no.2: (MLRA 9:10)

1. Zoologicheskiy institut Akademii nauk SSSR, Leningrad. (Kopet-Dag--Leaf rollers) (Kopet-Dag--Leaf miners)

USSR/General and Specialized Zoology - Insects.

F.

Abs Jour

: Ref Zhur - Biol., No 9, 1958, 40129

Author

Semenov, A.E., Kuznetsov, V.I.

Inst

Title

: The Siberian Onion Moth-Acrolopia alliella sp. n.- a New

Onion Post on the Extreme North.

Orig Pub

: Zool. zh., 1956, 35, No 11, 1676-1680

Abstract

The onion moth was described in detail and its larvae were described in short. This species is norphologically different from A. assectella. It injures the onion, carlic and especially the wild siberian onion, which is widely distributed in the river lands of the extreme North. Mechanical and chemical methods of control are recommended.

-- A.P. Adrianov.

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USSR / General and Special Zoology. Insects. Insect and Mite Pests.

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54356.

Author Inst

: Kuznetsov, V. I. : AS Armenian SSR.

Title

: Two New Species of Gall-Forming Moths (Lepidoptera, Microheterocera) Causing Damage to Shrubbery in Armenia.

Orig Pub: Dokli AN ArmSSR; 1957; 25, No 1, 43-48.

Abstract: This is a description and 6 drawings of Augasma atraphaxidellum sp. n. and Ascalenia grisella sp. n. Information on the biology of these species,

KUZNETSOU, V.I.

USSR/General and Special Zoology. Insects. Injurious Insocts and Ticks. Posts of Fruit and Berry Crops

Abs Jour : Auf Zhur - Biol., No 11, 1958, No 49640

Author : Kuznotsov V.I. Inst

Titlo : The Biology and Species of the Pyralid Loaf-

Reller Moths of the Genus Euzophera Z. Damaging the

Ponogranato, the Apple Tree and the Quinco

Orig Pub: Entonol. obozroniyo, 1957, 36, No 1, 59-71

Abstract : E. punicaella larvae winter under the bark of skeletonized branches and in the poel of the ponogranato's fruit; they pupate at the end of April or the beginning of May. The moths emerge in the first 10 days of May and deposit their eggs in the pomogranate bark, where the first generation of larvae develops in the bast in May-June. The omerging moths deposit their oggs on the bark and

on the fruits of pomogramate and apple trees. Card : 1/2

ARBROXED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928 CIA-RDP86-00513R000928210005-4 and Ticks. Postsof Fruit and Borry Crops

Abs Jour : Ref Zhur - Biol., No 11, 1958, No 49640

the fruits of the penegranate, two or three genorations develop. It was established that the moths of the ponogranate leaf-roller noth and E. ligolla from Bukhara bolong to the same species of E. punicaella. Literary data about the damage to pomogranatos, apples, quinces and peaches in Contral Asia by the leaf-reller meths of the Euzophera genus should be related to the activity of E. punicaella. The exposed poculiarities of the biology of the pomogranate leaf-roller moth call for changes in the existing system of leafroller noth control. -- A.P. Adrianov

Card : 2/2

The cleaster moth Anarsia eleagnella W.Kusn., sp.n. (Lepidoptera, Gelechiidae), a new cleaster pest in the U.S.S.R. [with summary in English]. Zool. shur. 36 no.7:1096-1098 Jl '57. (MIRA 10:9) 1. Zoologicheskiy institut Akademii nauk SSSR. (Moths) (Oleaster-Diseases and pests)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928210005-4"

KUZNETSOV, V.I.

Two new moth species (Lepidoptera, Microheterocera) injurious to shrubs in Armenia. Dokl. AN Arm. SSR 27 no.1:53-57 158. (MIRA 11:9)

1.Zoologicheskiy institut AN SSSR. Predstavleno V.A. Fanardshyanom. (Armenia---Moths) (Shrubs---Diseases and pests)

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